Manitoba

Health
Healthy Living Division and Health Programs
Public Health Branch
Communicable Disease Control Unit
Fourth Floor, 300 Carlton Street
Winnipeg MB R3B 3M9
CANADA
Telephone: (204) 788-6786
Fax: (204) 948-2040

Santé
Division de la vie saine et des programmes de santé
Direction de la santé publique
Prévention des maladies transmissibles
300, rue Carlton, 4e étage
Winnipeg MB R3B 3M9
CANADA
Téléphone: (204) 788-6786
Télécopieur: (204) 948-2040

Dear Colleague,

Please find attached the Summary of Communicable Diseases for the Month of February 2007. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive* during the month of February 2007.

Communicable Diseases

In total, there were **374** new infections occurring across 22 communicable diseases** (excluding sexually transmitted infections and HIV) in February 2007. The observed numbers of cases were within the expected range for most of the reported communicable diseases with the exception of one case each of Rheumatic Fever and Strongyloides with their expected range of 0-0 cases. The expected number of cases and accompanying range is based on the number of cases during January, February and March 2002-2006.

Both MRSA and Clostridium difficile accounted for more than 60% of all non-STI/HIV related communicable diseases reported to Manitoba Health. The C. difficile tend to concentrate in the 60+ age group, while cases of MRSA are reported in all age groups.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **404** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in February: 319 cases of chlamydia (Ct), 50 cases of gonorrhoea (GC), 33 GC-Ct co-infections, and 2 cases of syphilis. The 39% of all GC and Ct cases in the province were reported among females age 15-24 years. More than half of all GC and Ct cases (51.74%) were reported for individuals living in the Winnipeg health region, and an additional 17% were from the Burntwood health region.

In February, 31 individuals tested positive for hepatitis C virus, most of who were reported from the Winnipeg health region. The 70% of all HCV positive cases were in the 40-59 years age groups. Six Manitobans, three of each gender, tested positive for HIV in February 2007.

PS: One more case of HIV (male) was also observed during the month of February 2007, making a total of 7 cases (4 males and 3 females).

*Note: Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date.

**Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes, and are not reported out for public health follow-up:

ascariasis (ICD9: 127.0)
clostridium difficile (ICD9: 558.2)
leishmaniasis – unspecified (ICD9: 085.9)
methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)
penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)
schistosomiasis (ICD9: 120)
streptococcus pneumoniae – other site (ICD9: 041.2)
strongyloides (ICD9: 127.2)
vancomycin resistant enterococci (VRE)
tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at the Health Sciences Centre)

Cheers,
Dr. Suresh Khatkar
Epidemiologist, Communicable Diseases

SUMMARY OF COMMUNICABLE DISEASE FOR February 2007

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
006.9	AMEBIASIS	2	2	2	0-5	4	8
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-1		
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-1		
320.1	BAC. MENINGITIS - PNEUM		1	0	0-1		1
320.3	BAC. MENINGITIS - STAPH			0	0-1		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS		4		***		6
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS			1	0-3	1	1
008.43	CAMPYLOBACTER	16	6	13	6-20	26	20
558.2	CLOSTRIDIUM DIFFICILE	101	97		***	216	227
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	1	2	2	0-4	3	7
061.0	DENGUE FEVER	1		0	0-1	1	
065.4	DENGUE HEMORRHAGIC FEVER			0	0-1		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHTHERIA CASES			0	0-0		
123.4	DIPHYLLOBOTHRIUM SPP			0	0-1		
008.0	E. COLI-VEROTOXIGENIC	2		4	0-11	6	1
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	11	6	9	3-15	19	18
041.5	H.I.B.-NON MTGS			0	0-2		
041.59	HAEM. INFLUENZAE (non-B)		2		***		2
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0		
070.1	HEPATITIS A	2	1	2	0-4	3	2
070.3	HEPATITIS B	1		1	0-2	1	
070.51	HEPATITIS C	20	31	38	14-62	48	55
054.8	HERPES-W-UNSPEC COMPL	1		0	0-1	3	
487.1A	INFLUENZA A		30		***		47
487.1B	INFLUENZA B				***		1
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA			0	0-1		
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1		
027.0	LISTERIA MONOCYTOGENES			0	0-1		
088.81	LYME DISEASE			0	0-0		
084	MALARIA			1	0-3	2	
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF			0	0-1	1	
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-1		
B95.6	MRSA	126	136	64	0-139	256	312
072.9	MUMPS			0	0-1		
036.89	N.MENINGITIDIS OTHER	1		0	0-1	2	1
728.86	NECROTIZING FASCIITIS	1		1	0-3	4	
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

		MONTHLY TOTAL				YEAR-TO-DATE	
ICD9	DISEASE/INFECTION	2006	2007	Expected*	Ex. Range**	2006	2007
002.9	PARATYPHOID			0	0-0		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS			3	0-9	2	2
038.2	PNEUM. SEPTICEMIA	9	14	7	0-14	16	18
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-1		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER		1	0	0-0		1
056.9	RUBELLA			0	0-0		
771.0	RUBELLA CONGENTIAL			0	0-0		
041.2	S.PNEUM.OTHER		1	1	0-4		1
003.0	SALMONELLA	13	21	14	4-24	32	42
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS	2	1	2	0-4	3	1
050.9	SMALLPOX				***		
005.0	STAPHYLOCOCCAL			0	0-0		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP PNEUMONIA - PR			0	0-0		
711.0	STREP.PNEUM.ARTHRITIS			0	0-1		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1		
481	STREPTOCOCCUS PNEUMONIAE		1	0	0-1		1
127.2	STRONGYLOIDES		1	0	0-0		3
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			1	0-4		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZ			0	0-0		
013	TUBERCULOSIS - NON-RESP.	5		2	0-5	6	3
011	TUBERCULOSIS - RESP.	9	7	7	3-11	14	12
010	TUBERCULOSIS-PRIM.			1	0-6		
021.9	TULAREMIA			0	0-0		
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	4	7		***	9	11
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK			0	0-1		
047.1	VIRAL MENINGITIS-ECHO	1		0	0-1	1	
047.8	VIRAL MENINGITIS-ENTERO				***		
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***		
198	WNV NEUROLOGICAL SYNDROME				***		
197	WNV NON-NEUROLOGICAL SYND				***		
066.3	WNV UNCLASSIFIED				***		
008.44	YERSINIA ENTEROCOLITICA	3	2	1	0-3	3	4
		332	**374**			**682**	**808**

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR February 2007

		<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
ICD9	Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
006.9	AMEBIASIS							1		1																			2
320.1	BAC. MENINGITIS - PNEUM																			1									1
116.0	BLASTOMYCOSIS				1						1		1							1									4
008.43	CAMPYLOBACTER													1			1		1	1	2								6
558.2	CLOSTRIDIUM DIFFICILE		1	1					1			4		2		3	1	3	1	4	3	3	8	12	11	25	14		97
007.8	CRYPTOSPORIDIOSIS				1						1																		2
007.1	GIARDIA LAMBLIA			2			2													1	1								6
041.59	HAEM. INFLUENZAE (non-B)	1																				1							2
070.1	HEPATITIS A								1																				1
070.51	HEPATITIS C									1				1	3	1	1	4	8	4	6	1						1	31
487.1A	INFLUENZA A		5	2	1				4	1			1				1	1			1			2	2	6	3		30
B95.6	MRSA	2	4	1	5	3		4	5	11	5	5	1	5	3	11	6	7	8	2	5	3	5	6	7	13	9		136
391	RHEUMATIC FEVER					1																							1
003.0	SALMONELLA				2					1	2	1				2	2	1	2	4	2			1	1				21
004	SHIGELLOSIS								1																				1
481	STREP. PNEUMONIAE PNEUMON													1															1
041.2	STREP.PNEUM.OTHER																										1		1
038.2	STREP.PNEUMOCOCCAL SEPTIC							1	1								5	1	2	3			1						14
127.2	STRONGYLOIDIASIS									1																			1
011	TUBERCULOSIS - RESP.														1	1	1	1		1	2								7
B96.8	VANCOMYCIN RES. ENTER.																			2			2	1	2				7
008.44	YERSINIA ENTEROCOLITICA												1						1										2
		3	10	6	10	4	2	6	13	16	9	10	4	10	7	18	18	18	23	24	22	8	16	22	23	44	27		374

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR February 2007

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
006.9	AMEBIASIS	2																					2
320.1	BAC. MENINGITIS - PNEUM	1																					1
116.0	BLASTOMYCOSIS	3											1										4
008.43	CAMPYLOBACTER	1	2								1		1				1						6
558.2	CLOSTRIDIUM DIFFICILE	57	9	1			1		4		5		10		5		1		4				97
007.8	CRYPTOSPORIDIOSIS		1										1										2
007.1	GIARDIA LAMBLIA	2									2		2										6
041.59	HAEM. INFLUENZAE (non-B)	1																				1	2
070.1	HEPATITIS A	1																					1
070.51	HEPATITIS C	22	1				1	2	3										2				31
487.1A	INFLUENZA A	7	1		1		2		1		10		2			1	4	1					30
B95.6	MRSA	47	4		2		3	1	2		1		3		4	5	8	45	11				136
391	RHEUMATIC FEVER																		1				1
003.0	SALMONELLA	8					2		2	1	3		3		1				1				21
004	SHIGELLOSIS	1																					1
481	STREP. PNEUMONIAE PNEUMON	1																					1
041.2	STREP.PNEUM.OTHER	1																					1
038.2	STREP.PNEUMOCOCCAL SEPTIC	8									1						1	2	2				14
127.2	STRONGYLOIDIASIS	1																					1
011	TUBERCULOSIS - RESP.	2														2		3					7
B96.8	VANCOMYCIN RES. ENTER.	4		1			1				1												7
008.44	YERSINIA ENTEROCOLITICA	1					1																2
		171	**18**	**2**	**3**		**11**	**3**	**12**	**1**	**24**		**23**		**10**	**8**	**15**	**51**	**21**			**1**	**374**
Missing Investigation Forms (02/01/2006 - 01/31/2007)		221	16		2		14	3	9	1	5		21		3		1	8	2	1	1	7	315

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

STD Infection Summary Report - February 2007

	MONTHLY TOTAL		YEAR-TO-DATE	
DISEASE/INFECTION	**2006**	**2007**	**2006**	**2007**
All Chlamydia Infections	352	352	727	769
All Gonorrhea Infections (including PRNG)	141	83	291	204
All Syphilis Infections	5	2	11	7
Gonorrhea & Chlamydia Co-infections	50	33	95	68
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	8	6	18	15

Total Number of STD Cases by Age and Gender - February 2007

	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing age/gendr	Total
Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
Chlamydia Only Cases							5	1	71	34	54	44	32	29	17	17	2	8	1	3		1						319
Gonorrhea Only Cases							1		6	5	13	5	1	3	5	8	1			1		1						50
Syphilis Only Cases																1					1							2
GC and CT Cases									9	5	4	5	2	2		4		2										33
							6	1	86	44	71	54	35	34	22	30	3	10	1	4	1	2						404
HIV											2					2	1	1										6

Regional STD Distribution - February 2007

Disease/Infection	**Winnipeg**	**Brandon**	**N.Eastman**		**S.Eastman**		**Interlake**		**Central**		**Assiniboine**		**Parkland**		**Norman**		**Burntwood**		**Churchill**	**OOP**	**Missing**	**TOTAL**
Case Referred to:*			*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
All Chlamydia Infections	180	21	4	9		3	5	10		18		7	1	12	1	17	44	15	1	3	1	352
All Gonorrhea Infections	37		5	1			2	1	1	3		1		2		1	18	7		2	2	83
All Syphilis Infections	1																1					2
GC and CT Infections	9		2				2	1				1		1			12	4		1		33

Missing Investigation Forms (02/01/2006 - 01/31/2007)																					
	131	22	7	7		5	3	11		8		12	2	3	8	8	33	15		1	1	277

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction